



# SL730 SOLANA SERIES

LED

EPA  
1.2 (F<sup>2</sup>)  
WEIGHT  
54 LBS

7 YEAR  
WARRANTY

LUMEN  
RANGE  
9,420 to  
21,720

LIFE SPAN  
L70  
MINIMUM  
100,000  
HOURS

UL  
LISTED

CLICK  
FOR FAQ's

IP RATING  
IP 66

JOB NAME

FIXTURE TYPE

MEMO

## BUILD A PART NUMBER

ORDERING EXAMPLE: **1A-SL730-24L40T3-MDLO14-SV1-R7-PE-FHD-BLOC/RSA20G500-DI-SL900-5/UGMT**

Mounting Config.	Fixture	LED	CCT	Type	Driver	Lens	Option Round Pole Adapter	Optional Control Receptacle	Option Control	Option Motion Sensor	Option Fuse	Option House Side Shield	Pole <small>See Pole Spec Sheets</small>	Finish
1A	SL730	24L	40	T3	MDLO18	SV1								

### Mounting Configuration

(Click here to link to mounting configuration specification page)

- 1W • 2A90 • 4A
- 1A • 3A • 1AM
- 2A • 3A90 • 2AM

W = Wall Mount A = Arm Mount AM = Arm Mid-Mount

### Fixture

- SL730

### LED

- 40L • 32L • 24L

### CCT - Color Temperature (K)

- 27(00) • 30(00) • 40(00) • 50(00)

### Distribution Type

- T2 • T3 • T4 • T5

### Driver

- MDLO18<sup>1</sup> (120V-277V, 180mA)
- MDHO18<sup>1</sup> (347V-480V, 180mA)
- MDLO16<sup>2</sup> (120V-277V, 160mA)
- MDHO16<sup>2</sup> (347V-480V, 160mA)
- MDLO14<sup>1</sup> (120V-277V, 140mA)
- MDHO14<sup>1</sup> (347V-480V, 140mA)

<sup>1</sup> 32L or 24L system only.

<sup>2</sup> 40L system only.

### Lens

- CA (Clear Acrylic)
- FG (Flat Glass)
- SA (Sag Acrylic)
- FFG (Frosted Flat Glass)
- SV1 (Flat Soft Vue Light Diffused Acrylic)
- SV2 (Flat Soft Vue Moderate Diffused Acrylic)
- SV4 (Flat Soft Vue Maximum Diffused Acrylic)
- SVISA (Soft Vue Light Diffused Sag Acrylic)
- SV2SA (Soft Vue Moderate Diffused Sag Acrylic)
- SV4SA (Soft Vue Maximum Diffused Sag Acrylic)

### Options (Click here to view accessories sheet)

- RP34<sup>3</sup> For 3" to 4" diameter poles
- RP56<sup>3</sup> For 5" to 6" diameter poles
- R 3-Pin control receptacle only
- R5 5-Pin control receptacle only
- R7 7-Pin control receptacle only

- PE<sup>4</sup> Twist-Lock Photocontrol (120V-277V)
- PE3<sup>4</sup> Twist-Lock Photocontrol (347V)
- PE4<sup>4</sup> Twist-Lock Photocontrol (480V)
- SC<sup>4</sup> Shorting Cap
- PEC Electronic Button Photocontrol (120V-277V)
- PEC4 Electronic Button Photocontrol (480V)
- MOTI<sup>5</sup> 360° lens, maximum coverage 40' diameter from 20' height
- MOT2<sup>5</sup> 360° lens, maximum coverage 70' diameter from 20' height
- FHD<sup>6</sup> Double Fuse and Holder
- HSS External 120° House Side Shield
- BLOC Internal optic level House Side Shield

<sup>3</sup> Required for round poles

<sup>4</sup> Requires control receptacle

<sup>5</sup> Requires FLAT acrylic lens

<sup>6</sup> Ships loose for installation in base

### Pole (Click here to link to pole specification page)

See Pole specification sheets.

### Finish

Standard Urban Finishes (Click here to view paint finish sheet)

- UGMT Gun Metal Textured
- UGM Gun Metal Matte
- UBT Urban Bronze Textured
- UB Urban Bronze Matte
- ULBT Urban Light Bronze Textured
- ULB Urban Light Bronze Matte
- USLT Urban Silver Textured
- USL Urban Silver Matte
- UWHT Urban White Textured
- UWH Urban White Matte
- UCHS Urban Champagne Satin Smooth
- BKT Black Textured

### Custom Urban Finishes<sup>7</sup>

- CM Custom Match

<sup>7</sup> Smooth finishes are available upon request.

## Specifications

### Fixture

The large scale SL730 Solana® side mount luminaire's stylish design is a perfect accent for urban settings. The subtle, yet sophisticated look enhances the impact of any project. The Solana's wide array of optics, lenses and distributions makes this an easy choice for a

variety of commercial, institutional and municipal projects. The luminaire shall be UL listed in US and Canada.

### LEDs

The luminaire shall use high output, high brightness LED's. They shall be mounted in arrays, on printed circuit boards designed to maximize heat transfer to the heat sink surface. The arrays shall be roof mounted to minimize up-light. The LED's and printed circuit boards shall be 100% recyclable; they shall also be protected from moisture and corrosion by a conformal coating. They shall not contain lead, mercury or any other hazardous substances and shall be RoHS compliant. The LED life rating data shall be determined in accordance with IESNA LM-80. The High Performance white LED's will have a life expectancy of approximately 100,000 hours with not less than 70% of original brightness (lumen maintenance), rated at 25°C. The High Brightness, High Output LED's shall be 4000K (2700K, 3000K or 5000K option) color temperature with a minimum CRI of 70. Consult factory for custom color CCT. The luminaire shall have a minimum \_\_\_\_\_ (see table) delivered initial lumen rating when operated at steady state with an average ambient temperature of 25°C (77°F).

### Optics

The luminaire shall be provided with refractor type optics applied to each LED array. The luminaire shall provide Type \_\_\_\_ (2, 3, 4 or 5) light distribution per the IESNA classifications. Testing shall be done in accordance with IESNA LM-79.

**BLOC Optic:** An optional "Back Light Optical Control" shield can be provided at the factory. This is an internal optic level "House Side Shield" offering significantly reduced backlight and glare while maintaining the original design aesthetics of the luminaire.

### Electronic Drivers

The LED driver shall be U.L. Recognized. It shall be securely mounted inside the fixture, for

See next page



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optimized performance and longevity. It shall be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections and fixture installation. It shall have overload, overheat and short circuit protection, and have a DC voltage output, constant current design, 50/60HZ. It shall be supplied with line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. It shall be a high efficiency driver with a THD less than 20% and a high power factor greater than .9. It shall be dimming capable using a 0-10v signal, consult factory for more information.

## Photocontrols

**Button Style:** The photocontrol shall be mounted on the fixture and pre-wired to driver. The electronic button type photocontrol is instant on with a 5-10 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. Photocontrol is 120-277 volt and warranted for 6 years. See pole spec sheet for pole mounted version.

**Twist-Lock Style:** The photocontrol shall be mounted externally on the fixture and pre-wired to driver. The twist lock type photocontrol is instant on with a 3-6 second turn off, and shall turn on at 1.5 footcandles with a turn-off at 2-3 footcandles. Photocontrol is 120-277 volt and warranted for 6 years.

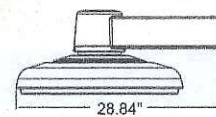
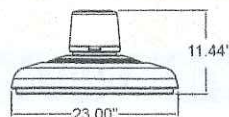
## Warranty

Seven-year limited warranty. See product and finish warranty guide for details.

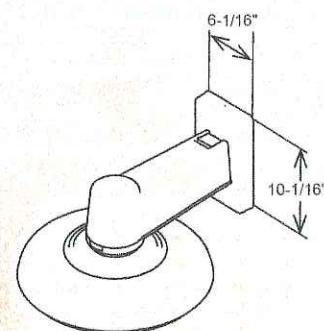
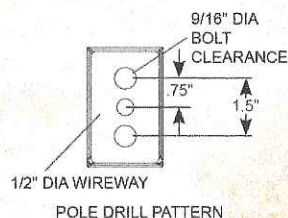
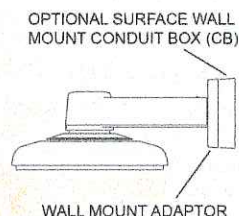
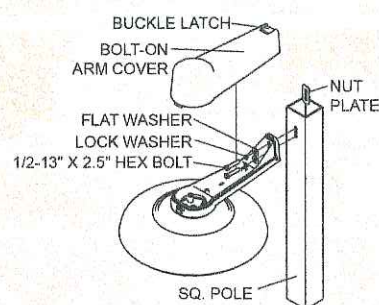
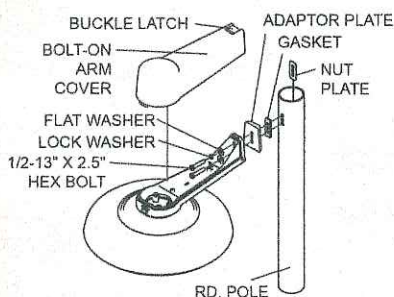
## Finish

Refer to website for details.

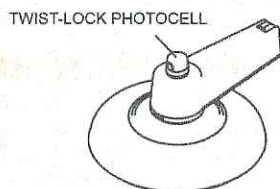
## Fixtures



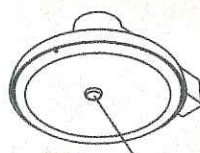
## Mounting Details



## Options

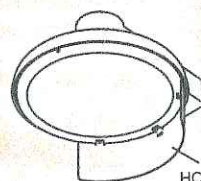


R/PE



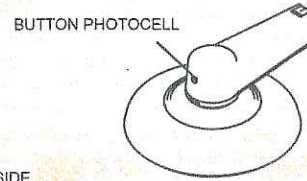
MOTION SENSOR

MOT1/MOT2



HOUSE SIDE SHIELD

HSS



PEC



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# SL730 SOLANA SERIES

LED

## Performance (Based on FG Lens)

MODEL #	T2 DELIVERED LUMENS	EFFICACY (LPW)	T3 DELIVERED LUMENS	EFFICACY (LPW)	T4 DELIVERED LUMENS	EFFICACY (LPW)	T5 DELIVERED LUMENS	EFFICACY (LPW)	WATTAGE
40L40T_-MDL016	21415	121.0	21545	121.7	20905	118.1	21720	122.7	177
40L30T_-MDL016	20420	115.4	20540	116.0	19930	112.6	20710	117.0	177
40L27T_-MDL016	18460	104.3	18575	104.9	18020	101.8	18725	105.8	177
32L40T_-MDL018	18455	119.1	18590	119.9	17690	114.1	18620	120.1	155
32L30T_-MDL018	17595	113.5	17725	114.4	16865	108.8	17755	114.5	155
32L27T_-MDL018	15910	102.6	16025	103.4	15250	98.4	16050	103.5	155
32L40T_-MDL014	15225	129.0	15265	129.4	14750	125.0	15310	129.7	118
32L30T_-MDL014	14515	123.0	14555	123.3	14065	119.2	14595	123.7	118
32L27T_-MDL014	13125	111.2	13160	111.5	12715	107.8	13200	111.9	118
24L40T_-MDL018	13990	118.6	14090	119.4	13565	115.0	14140	119.8	118
24L30T_-MDL018	13340	113.1	13435	113.9	12935	109.6	13480	114.2	118
24L27T_-MDL018	12060	102.2	12145	102.9	11695	99.1	12190	103.3	118
24L40T_-MDL014	11275	126.7	11370	127.8	10930	122.8	11365	127.7	89
24L30T_-MDL014	10750	120.8	10840	121.8	10420	117.1	10835	121.7	89
24L27T_-MDL014	9720	109.2	9800	110.1	9420	105.8	9795	110.1	89



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# SL760 SOLANA SERIES

LED

EPA  
1.3 (ft²)  
WEIGHT  
53 LBS

7 YEAR  
WARRANTY

LUMEN  
RANGE  
8,080 to  
19,535

LIFE SPAN  
L70  
MINIMUM  
100,000  
HOURS

UL  
LISTED

CLICK  
FOR FAQ's

IP RATING

JOB NAME

FIXTURE TYPE

MEMO

## BUILD A PART NUMBER

ORDERING EXAMPLE: **PT-SL760-24L40T5-MDL018-SV1-R7-PE-FHD/RSA18T500-P3-SL900-5/UCMT**

Mounting Config.	Fixture	LED	CCT	Type	Driver	Lens	Option Control Receptacle	Option Control	Option Motion Sensor	Option Fuse	Option House Side Shield	Arm See Arm Spec Sheets	Pole See Pole Spec Sheets	Finish
1A	SL730	24L	40	T3	MDL018	SV1								

### Mounting Configuration

(Click here to link to mounting configuration specification page)

- IW • 2A • 3A90 • 1AM
- PT • 2A90 • 3APT • 2AM
- 1A • 2APT • 4A
- 1APT • 3A • 4APT

W = Wall Mount A = Arm Mount AM = Arm Mid-Mount

### Fixture

- SL760

### LED

- 40L • 32L • 24L

### CCT - Color Temperature (K)

- 27(00) • 30(00) • 40(00) • 50(00)

### Distribution Type

- T2 • T3 • T4 • T5

### Driver

- MDL018<sup>1</sup> (120V-277V, 180mA)
- MDH018<sup>1</sup> (347V-480V, 180mA)
- MDL016<sup>2</sup> (120V-277V, 160mA)
- MDH016<sup>2</sup> (347V-480V, 160mA)
- MDL014<sup>1</sup> (120V-277V, 140mA)
- MDH014<sup>1</sup> (347V-480V, 140mA)

<sup>1</sup> 32L or 24L system only.

<sup>2</sup> 40L system only.

### Lens

- CA (Clear Acrylic)
- FG (Flat Glass)
- SA (Sag Acrylic)
- FFG (Frosted Flat Glass)
- SV1 (Flat Soft Vue Light Diffused Acrylic)
- SV2 (Flat Soft Vue Moderate Diffused Acrylic)
- SV4 (Flat Soft Vue Maximum Diffused Acrylic)
- SV1SA (Soft Vue Light Diffused Sag Acrylic)
- SV2SA (Soft Vue Moderate Diffused Sag Acrylic)
- SV4SA (Soft Vue Maximum Diffused Sag Acrylic)
- TDC (Clear Acrylic Teardrop)
- SV1TD (Soft Vue Light Diffused Acrylic Teardrop)
- SV2TD (Soft Vue Moderate Diffused Acrylic Teardrop)

### Options (Click here to view accessories sheet)

- R 3-Pin control receptacle only
- R5 5-Pin control receptacle only
- R7 7-Pin control receptacle only
- PE<sup>3</sup> Twist-Lock Photocontrol (120V-277V)
- PE3<sup>3</sup> Twist-Lock Photocontrol (347V)
- PE4<sup>3</sup> Twist-Lock Photocontrol (480V)
- SC<sup>3</sup> Shorting Cap
- PEC Electronic Button Photocontrol (120V-277V)
- PEC4 Electronic Button Photocontrol (480V)
- MOT1<sup>4</sup> 360° lens, maximum coverage 40' diameter from 20' height
- MOT2<sup>4</sup> 360° lens, maximum coverage 70' diameter from 20' height
- FHD<sup>5</sup> Double Fuse and Holder
- HSS 120° House Side Shield
- BLOC Back Light Optical Control

<sup>3</sup> Requires control receptacle

<sup>4</sup> Requires flat acrylic lens (CA, SV1, SV2 or SV4)

<sup>5</sup> Ships loose for installation in base

### Arm (Click here to view arm website page)

See Arms & Wall Brackets specification sheets.

- 480 • OM • VL
- VC • VF

### Pole (Click here to link to pole specification page)

See Pole specification sheets.

### Finish

Standard Urban Finishes (Click here to view paint finish sheet)

- UGMT Gun Metal Textured
- UGM Gun Metal Matte
- UBT Urban Bronze Textured
- UB Urban Bronze Matte
- ULBT Urban Light Bronze Textured
- ULB Urban Light Bronze Matte
- USLT Urban Silver Textured
- USL Urban Silver Matte
- UWHT Urban White Textured
- UWH Urban White Matte
- UCHS Urban Champagne Satin Smooth
- BKT Black Textured

### Custom Urban Finishes<sup>6</sup>

- CM Custom Match

<sup>6</sup> Smooth finishes are available upon request.

## Specifications

### Fixture

The large scale Solana® SL760 post-top Luminaire's modern geometric design complements a diverse assortment of contemporary architectural settings. Its urbanesque yoke design offers not only aesthetic beauty, durability and optical efficiency, but takes street, area, and medium mount lighting to another level. The Solana® SL760 is well suited for all roadway, site and pedestrian environments. Our convective AAD™ "Advanced Air-flow Dynamics" maximizes heat sink expulsion to deliver unsurpassed thermal management for long-life LED performance and energy efficiency. The cast aluminum slipfitter slips a 3" OD x 3" tall tenon. The luminaire shall be UL listed in US and Canada.

### LEDs

The luminaire shall use high output, high brightness LED's. They shall be mounted in arrays, on printed circuit boards designed to maximize heat transfer to the heat sink surface. The arrays shall be roof mounted to minimize up-light. The LED's and printed circuit boards shall be 100% recyclable; they shall also be protected from moisture and corrosion by a conformal coating. They shall not contain lead, mercury or any other hazardous substances and shall be RoHS compliant. The LED life rating data shall be determined in accordance with IESNA LM-80. The High Performance white LED's will have a life expectancy of approximately 100,000 hours with not less than 70% of original brightness (lumen maintenance), rated at 25°C. The High Brightness, High Output LED's shall be 4000K (2700K, 3000K or 5000K option) color temperature with a minimum CRI of 70. Consult factory for custom color CCT. The luminaire shall have a minimum \_\_\_\_\_ (see table) delivered initial lumen rating when operated at steady state with an average ambient temperature of 25°C (77°F).

See next page



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## Optics

The luminaire shall be provided with refractor type optics applied to each LED array. The luminaire shall provide Type \_\_\_\_ (2, 3, 4 or 5) light distribution per the IESNA classifications. Testing shall be done in accordance with IESNA LM-79.

**BLOC Optic:** An optional "Back Light Optical Control" shield can be provided at the factory. This is an internal optic level "House Side Shield" offering significantly reduced backlight and glare while maintaining the original design aesthetics of the luminaire.

## Electronic Drivers

The LED driver shall be U.L. Recognized. It shall be securely mounted inside the fixture, for optimized performance and longevity. It shall be supplied with a quick-disconnect electrical connector on the power supply, providing easy power connections and fixture installation. It shall have overload, overheat and short circuit protection, and have a DC voltage output, constant current design, 50/60HZ. It shall be supplied with line-ground, line-neutral and neutral-ground electrical surge protection in accordance with IEEE/ANSI C62.41.2 guidelines. It shall be a high efficiency driver with a THD less than 20% and a high power factor greater than .9. It shall be dimming capable using a 0-10v signal, consult factory for more information.

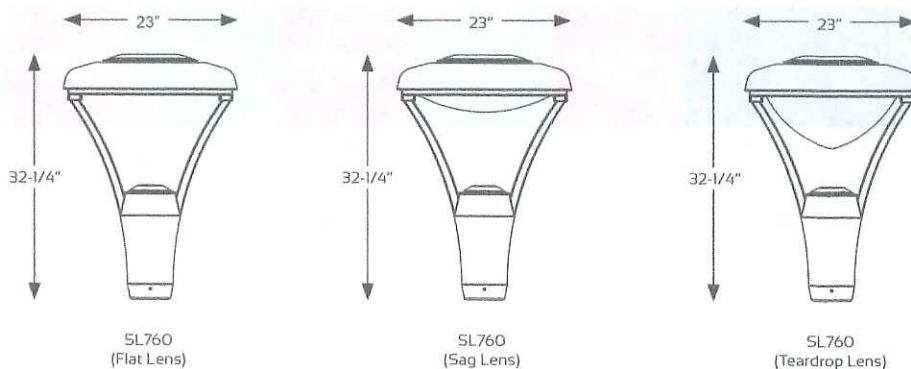
## Warranty

Seven-year limited warranty. See product and finish warranty guide for details.

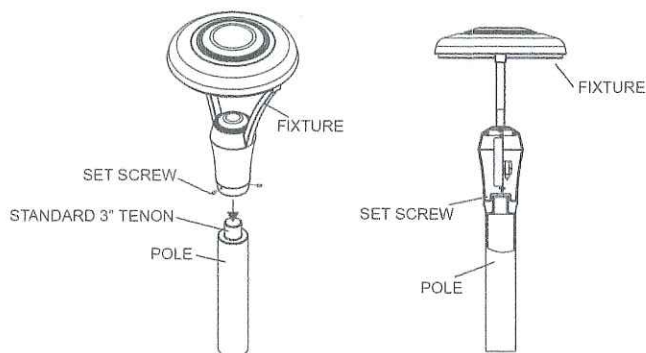
## Finish

Refer to website for details.

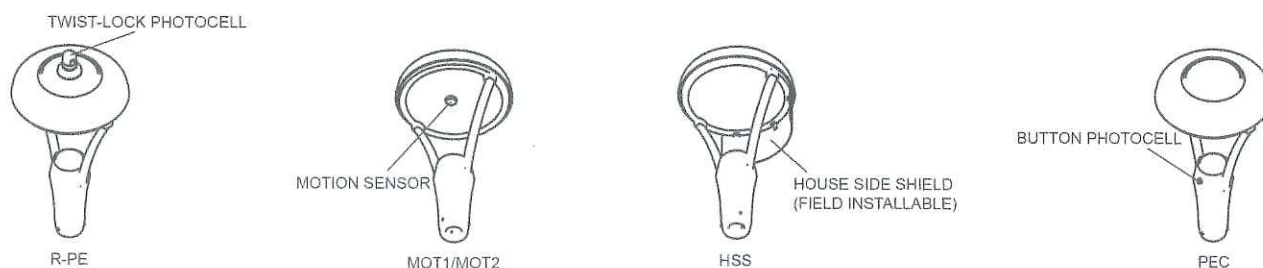
## Fixtures



## Mounting Details



## Options



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# SL760 SOLANA SERIES

LED

## Performance (Based on CA Lens)

MODEL #	T2 DELIVERED LUMENS	EFFICACY (LPW)	T3 DELIVERED LUMENS	EFFICACY (LPW)	T4 DELIVERED LUMENS	EFFICACY (LPW)	T5 DELIVERED LUMENS	EFFICACY (LPW)	WATTS
40L40T_-MDL016	18840	107.0	19015	108.0	18835	107.0	19535	111.0	176
40L30T_-MDL016	17965	102.1	18130	103.0	17960	102.0	18625	105.8	176
40L27T_-MDL016	16240	92.3	16390	93.1	16235	92.2	16840	95.7	176
32L40T_-MDL018	15995	103.2	16190	104.5	16195	104.5	16830	108.6	155
32L30T_-MDL018	15250	98.4	15435	99.6	15440	99.6	16045	103.5	155
32L27T_-MDL018	13790	89.0	13955	90.0	13960	90.1	14510	93.6	155
32L40T_-MDL014	13115	111.1	13280	112.5	13245	112.2	13795	116.9	118
32L30T_-MDL014	12505	106.0	12660	107.3	12630	107.0	13155	111.5	118
32L27T_-MDL014	11305	95.8	11450	97.0	11420	96.8	11890	100.8	118
24L40T_-MDL018	11675	98.9	11835	100.3	12095	102.5	12685	107.5	118
24L30T_-MDL018	11130	94.3	11285	95.6	11530	97.7	12095	102.5	118
24L27T_-MDL018	10065	85.3	10205	86.5	10425	88.3	10935	92.7	118
24L40T_-MDL014	9370	105.3	9495	106.7	9700	109.0	10180	114.4	89
24L30T_-MDL014	8935	100.4	9055	101.7	9250	103.9	9705	109.0	89
24L27T_-MDL014	8080	90.8	8185	92.0	8360	93.9	8775	98.6	89



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